BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: _____09/966,264B_____

Source: _____OIPE_____

Date Processed by STIC: _____9/26/02_____

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PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
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    U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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Revised 01/29/2002

OIPE

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 09/26/2002
PATENT APPLICATION: US/09/966,264B   TIME: 16:35:57

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\09262002\I966264B.raw

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      3 <110> APPLICANT: Barber, Elizabeth K
      5 <120> TITLE OF INVENTION: Gene Expression Control Element DNA
      7 <130> FILE REFERENCE: 896034605001
W-->  8 <140> CURRENT APPLICATION NUMBER: US 09/966,264B
C-->  9 <141> CURRENT FILING DATE: 2002-09-16
     11 <150> PRIOR APPLICATION NUMBER: US 60/237,079
     12 <151> PRIOR FILING DATE: 2000-09-30
     14 <160> NUMBER OF SEQ ID NOS: 61
     16 <170> SOFTWARE: PatentIn version 3.1
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ERRORED SEQUENCES

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    772 <210> SEQ ID NO: 51
    773 <211> LENGTH: 1236
    774 <212> TYPE: DNA
    775 <213> ORGANISM: human
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    780     Phe Pro Ile Gln Cys Ile Val His Gln Arg Ser Ile Gln Glu
    781             -75                 -70                 -65
E-->783 ttt att att att att ttc aac cca agt aaa agc aga gag aaa ata gcc (-144)
    784 Phe Ile Ile Ile Ile Phe Asn Pro Ser Lys Ser Arg Glu Lys Ile Ala
    785             -60                 -55                 -50
E-->787 acc tcc acc ata gcc tca gaa gca agc caa cag cct gaa aca gct ttg (-96)
    788 Thr Ser Thr Ile Ala Ser Glu Ala Ser Gln Gln Pro Glu Thr Ala Leu
    789             -45                 -40                 -35
E-->791 aaa tga aaa gtt ggt gtg gcg gtg atg gtg gca gtg ata atg gtg acc (-48)
    792 Lys     Lys Val Gly Val Ala Val Met Val Ala Val Ile Met Val Thr
    793             -30                 -25                 -20
E-->795 tgg gtg ctg gtg atg gta gtg gta gtt gtg aag gtg gtg atg gat ggt (0)
    796 Trp Val Leu Val Met Val Val Val Val Val Lys Val Val Met Asp Gly
    797     -15                 -10                 -5
E-->799 gtg gtt tga ttg ata gta aaa aaa atg ttc gtt aat aca agt aga gag 48
    800 Val Val     Leu Ile Val Lys Lys Met Phe Val Asn Thr Ser Arg Glu
    801 1                   5                   10                  15
E-->803 taa gta atc aat caa tca ctc ata gcc aag gtg gaa aag atg tat ccc 96
    804     Val Ile Asn Gln Ser Leu Ile Ala Lys Val Glu Lys Met Tyr Pro
    805                 20                  25                  30
E-->807 atc atg gaa tat tcc tgt tct gat aga aat ctt gtg ctt atc tat gga 144
    808 Ile Met Glu Tyr Ser Cys Ser Asp Arg Asn Leu Val Leu Ile Tyr Gly
    809                 35                  40                  45
E-->811 att ctt ttg ata tat att tac att ggg aac ctg aat gta gct tga cat 192
```

[Handwritten annotations in right margin:]
→ cannot have negative numbers
→ Must count as a total, and continuous
e.g. -end no should be 45, 93, and so on.
See § 1.822(c)(6) of the rules.
-192 → 45
-144 → 93
0 → no 0!

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      812 Ile Leu Leu Ile Tyr Ile Tyr Ile Gly Asn Leu Asn Val Ala     His
      813             50              55                  60
E--> 815 ttt tcc atg taa aca cca gta gcc tga tcc aac att aag ctg ata cta 240
      816 Phe Ser Met     Thr Pro Val Ala     Ser Asn Ile Lys Leu Ile Leu
      817             65                  70                  75
E--> 819 aca aac aac gtg taa tgg ctt cat taa taa ggc ttt gct tct tcc tgg 288
      820 Thr Asn Asn Val     Trp Leu His         Gly Phe Ala Ser Ser Trp
      821             80                      85
E--> 823 aaa ctg gtg aaa aat caa acc ttg ttg tgt aca ccc tcg atg cag ctt 336
      824 Lys Leu Val Lys Asn Gln Thr Leu Leu Cys Thr Pro Ser Met Gln Leu
      825     90              95                  100
E--> 827 ctg tgt tgt ctt cac cca gaa atg ggg aat gat ttc cca aat ggc aaa 384
      828 Leu Cys Cys Leu His Pro Glu Met Gly Asn Asp Phe Pro Asn Gly Lys
      829 105             110                 115                 120
E--> 831 gaa aca gag tga tgc tat cta tct gca cct ttt gta aag tct gtc ttt 432
      832 Glu Thr Glu     Cys Tyr Leu Ser Ala Pro Phe Val Lys Ser Val Phe
      833             125                 130                 135
E--> 835 ctt tct ctt tgt ttt cca gga cac aat gta gga agt ctt ttc cac atg 480
      836 Leu Ser Leu Cys Phe Pro Gly His Asn Val Gly Ser Leu Phe His Met
      837             140                 145                 150
E--> 839 gca gat gat ttg ggc aga gcg atg gag tcc tta gta tca gtc atg aca 528
      840 Ala Asp Asp Leu Gly Arg Ala Met Glu Ser Leu Val Ser Val Met Thr
      841             155                 160                 165
E--> 843 gat gaa gaa gga gca gaa taa atg ttt tac aac tcc tga ttc ccg cat 576
      844 Asp Glu Glu Gly Ala Glu     Met Phe Tyr Asn Ser     Phe Pro His
      845             170                 175                 180
E--> 847 ggt ttt tat aat att cat aca aca aag agg att aga cag taa gag ttt 624
      848 Gly Phe Tyr Asn Ile His Thr Thr Lys Arg Ile Arg Gln     Glu Phe
      849             185                 190                 195
E--> 851 aca aga aat aaa tct ata ttt ttg tga agg gta gtg gta tta tac tgt 672
      852 Thr Arg Asn Lys Ser Ile Phe Leu     Arg Val Val Val Leu Tyr Cys
      853             200                 205                 210
E--> 855 aga ttt cag tag ttt cta agt ctg tta ttg ttt tgt taa caa tgg cag 720
      856 Arg Phe Gln     Phe Leu Ser Leu Leu Leu Phe Cys     Gln Trp Gln
      857             215                 220                 225
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      860 Val Leu His Val Tyr Ala Ile Val Gln Lys Ser Tyr Lys Lys Thr Thr
      861             230                 235                 240
E--> 863 tgt aaa atc ttg ata gct aaa taa ctt gcc att tct tta tat gga acg 816
      864 Cys Lys Ile Leu Ile Ala Lys     Leu Ala Ile Ser Leu Tyr Gly Thr
      865             245                 250                 255
E--> 867 cat ttt ggg ttg ttt aaa aat tta taa cag tta taa aga aag aat tat 864
      868 His Phe Gly Leu Phe Lys Asn Leu     Gln Leu     Arg Lys Asn Tyr
      869             260                 265                 270
E--> 871 aaa gga aaa aga aaa taa cgc aat gga caa gtg gtg aag ctg tga act 912
      872 Lys Gly Lys Arg Lys     Arg Asn Gly Gln Val Val Lys Leu     Thr
      873             275                 280
E--> 875 cag gtg tgc aca att atc agg aac acc cca aaa cca aag tga ggt aga 960
      876 Gln Val Cys Thr Ile Ile Arg Asn Thr Pro Lys Pro Lys     Gly Arg
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                    RAW SEQUENCE LISTING              DATE: 09/26/2002
                    PATENT APPLICATION:  US/09/966,264B    TIME: 16:35:57

                    Input Set : A:\Sequence Listing.txt
                    Output Set: N:\CRF4\09262002\I966264B.raw

        877 285                    290                   295
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        969 <210> SEQ ID NO: 55
        970 <211> LENGTH: 1236
        971 <212> TYPE: DNA
        972 <213> ORGANISM: human
        974 <400> SEQUENCE: 55
        976 ctagtttcct attcaatgta tagtgcacca aaggtcaatt caagagttta   50
        978 ttattattat tttcaaccca agtaaaagca gagagaaaat agccacctcc  100
        980 accatagcct cagaagcaag ccaacagcct gaaacagctt tgaaatgaaa  150
        982 agttggtgtg gcggtgatgg tggcagtgat aatggtgacc gatggttggg  200
E--> 984 tgctggtgat ggtagtggta gttgtgaag gtggtgatgg tggtttgatt  250
        986 gatagtaaaa aaaatgttcg ttaatacaag tagagagtaa gtaatcaatc  300
        988 aatcactcat agccaaggtg gaaaagatgt atcccatcat ggaatattcc  350
        990 tgttctgata gaaatcttgt gcttatctat ggaattcttt tgatatatat  400
        992 ttacattggg aacctgaatg tagcttgaca tttttccatg taaacaccag  450
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delete

VERIFICATION SUMMARY   DATE: 09/26/2002
PATENT APPLICATION: US/09/966,264B   TIME: 16:35:58

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\09262002\I966264B.raw

L:8 M:283 W: Missing Blank Line separator, <140> field identifier
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:779 M:254 E: No. of Bases conflict, LENGTH:Input:-192 Counted:46 SEQ:51
M:254 Repeated in SeqNo=51
L:881 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1236 Found:1237 SEQ:51
L:984 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:1010 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:1116 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=58